



North Carolina Department of Health and Human Services

Ebola Prevention and Response Training

Airport Scenario

Objectives

- To recognize signs and symptoms of Ebola Virus Disease (EVD)
- To initiate rapid response measures
- To evaluate current response plans
- To strategize to respond more effectively to a potential EVD outbreak

Table Top Exercise Instructions

- Systematically think through the case as if it was a real scenario
- Participation and discussion is important
 - Teamwork
 - All comments and questions are valuable

Who is a Person Under Investigation for Ebola?

Clinical Criteria

- Fever $\geq 100.4^{\circ}\text{F}$
- **OR**
- Any of the Following:
 - Headache
 - Muscle Pain
 - Vomiting
 - Diarrhea
 - Abdominal Pain
 - Unexplained bruising or bleeding

AND

Epidemiological Risk Factors

- Symptom onset within past 21 days of exposure to any of the following:
 - Contact with blood, other bodily fluids or human remains of patient known or suspected to have EVD
 - Residence in or travel to area where EVD transmission is active
 - Direct handling of bats or other non-human primates in endemic area

Scenario

You work at the airline counter at RDU airport and you are alerted to a passenger in the terminal who is vomiting. He is also complaining of a fever and headache.



Discussion

- What other questions would you ask?



Scenario Continued

- The passenger reveals that he is traveling from Sierra Leone to visit his relatives in Raleigh
- He had a negative screen for fever at the New York JFK Airport, and he had an 8 hour layover at JFK
- He denies any recent contact with sick patients, and he vehemently denies that he could have Ebola
- He is traveling with his wife and two young children

Discussion Continued

- Could this be Ebola?



From the Airport Perspective...

- What preventive measures would you employ to protect others at the airport?
- How would you handle patient's waste at the airport?
- Should the passenger(s) be quarantined at the airport?
- When would it be necessary to contact the Health Department?
- Who else needs to be notified?

From the Health Department Perspective...

- What is the CDC guidance on the evaluation of ill passengers coming from areas affected with Ebola in West Africa?
- How will you identify the contacts to a person under investigation (PUI) for Ebola?
- What is the procedure for conducting contact tracing in North Carolina?
- What arrangements need to be made to accommodate and work with CDC investigators, DPH contact tracers, and the media, if necessary?

Acknowledgements

The North Carolina Division of Public Health expresses its appreciation to

Bhavini Patel Murthy, MD, MPH
Preventive Medicine
University of North Carolina at Chapel Hill

Neil Chandra Murthy, MD, MPH
Emergency Medicine
Duke University Medical Center

for their assistance in creating scenarios to better prepare local health department Epidemiological Teams for an Ebola Exposure event.

For more information, please contact the North Carolina Division of Public Health Communicable Disease Branch at 919-733-3419